

# Product data sheet

## Characteristics

# XU9M18MA230K

Photoelectric sensors XU, XU9, polarised, Sn 2 m, 24...240VAC/DC, 1/2"



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 155.00 USD



### Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XU9
Sensor design	Cylindrical M18
Detection system	Polarised reflex
Material	Metal
Line of sight type	Axial
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring Technique	2-wire
Discrete output function	1 NO
Electrical connection	1 male connector 1/2"20 UNF, 3 pins
Product Specific Application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	6.56 Ft (2 m) polarised reflex need reflector XUZC50

### Complementary

Enclosure Material	Nickel Plated Brass
Lens material	PMMA
Maximum sensing distance	9.84 Ft (3 m)
Output Type	Solid state
Add on output	Without
Wire insulation material	PvR
Status LED	1 LED yellow)output state 1 LED red)instability
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC/DC
Maximum residual current	1.5 MA open state

Switching capacity in mA	10...200 mA to be used with 0.4 A quick-blow fuse in series with the load)
Switching frequency	<= 25 Hz
Maximum voltage drop	<6 V closed state)
Maximum delay first up	300 Ms
Maximum delay response	20 Ms
Maximum delay recovery	20 Ms
Setting-up	Sensitivity adjustment
Diameter	0.71 In (18 mm)
Length	3.23 In (82 mm)
Net Weight	0.20 Lb(US) (0.09 kg) 0.21 Lb(US) (0.095 kg)
Kit composition	Sensor Reflector XUZC50

## Environment

Product Certifications	UL CE CSA
Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 double insulation IEC 60529

## Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	03389110736571
Nbr. of units in pkg.	1
Package weight(Lbs)	3.67 Oz (104 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 In (6.4 cm)
Package 1 width	3.46 In (8.8 cm)
Package 1 Length	1.57 In (4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Weight	3.04 Lb(US) (1.377 kg)
Package 2 Height	5.91 In (15 cm)
Package 2 width	5.91 In (15 cm)
Package 2 Length	15.75 In (40 cm)

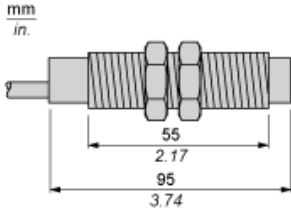
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions

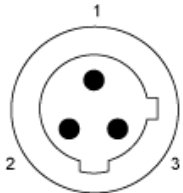


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Wiring Schemes

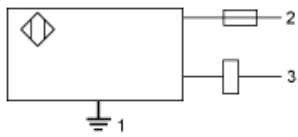
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Connector



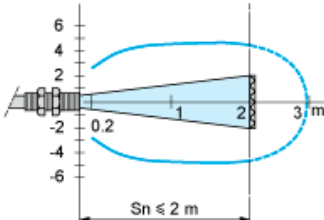
- 1 : Grounding
- 2 : AC/DC
- 3 : AC/DC

2-wire AC or DC



Detection Curves

Polarised Reflex System



With reflector XUZC50

Product Life Status : Commercialised